

filtered to remove higher spatial frequency components. The resulting low pass digital data is subtracted from the original luminance image data, leaving digital data representing the high-pass image components. The high-pass image digital data is passed to an amplification stage where all or only selected pixels are amplified by a factor that varies as a function of the low-pass data value of those pixels and by the location of the pixels within the image. This enables different degrees of enhancement of the light and dark areas of the image. The low-pass data and the high-pass data passed by the amplification stage are added together to form the finite local enhancement version of the luminance data. --

In the claims:

Rewrite claims 2, 9, 13 and 26 as follows:

- A³
2. Method according to claim 1 further including the step of applying said at least one color-representative signal and said enhanced luminance output signal to means for transmitting or recording same or to means for generating and displaying a video image in response to said color representative signal and said enhanced output signal.
- A⁴
9. A method according to claim 8 further including the step of applying said output digital data stream to means for transmitting or recording same or to means for generating and displaying a video image in response to said output digital data stream.
- A⁵
13. Apparatus according to claim 11 further including means for converting said color-representative signals and said digital luminance output signal to corresponding analog signals, and means for applying said analog signals to display means for generating and displaying video reproductions of said image in response to said analog signals.
- A⁶